

ABRASION-RESISTANT

SM1 STRAHLMEISTER

Industry-best-in-class sandblasting hose, abrasion 36 mm³, conductive



SM1 STRAHLMEISTER is a specialised heavy-duty sandblasting hose with industry-best-in-class wear resistance - abrasion value 36 mm³ per ISO 4649, significantly better than other wear-resistant hoses on the market. SBR/NR/BR lining provides extreme wear resistance against quartz sand, steel shot, corundum and glass particles. Conductive inner lining (below 10⁶ ohm) + antistatic outer coating (below 10⁹ ohm) provide ATEX zone 22 suitability - a mandatory safety property in sandblasting applications. PN 12 bar working pressure and 42 bar burst pressure (3.5x safety factor). 5 dimensions (ID 13-42 mm). Typically used in industrial sandblasting, glass industry and surface renovation where maximum service life is required.

R: <10⁶ Ω

Temp: -35 °C to 80 °C

✓ Cut to length

APPLICATIONS

- Industrial sandblasting of steel and metal surfaces
- Corundum sandblasting for specialised surface processing
- Glass particle handling in industry
- Shipbuilding hull cleaning with steel shot
- Foundry sand handling with high-pressure pumps
- High-pressure cleaning with abrasive injection systems

Technical specifications

Material	SBR/NR/BR (specific abrasion-resistant blend) inner, SBR outer coating
Colour	black
Wall construction	Extruded smooth SBR/NR/BR inner tube, wrapped SBR outer coating with textile plies
Spiral material	Tekstil-plyes
Temperature range	-35 °C – 80 °C
Short-term peak	80 °C
Electrical resistance	$<10^6 \Omega$
Cut to length	Yes
Manufacturer SKU	3501

Standards and compliance

ISO 4649 (abrasion test), ISO 8031 (electrical resistance), EN ISO 1307:2008, REACH, RoHS

Dimensions and ordering

The hose is supplied in 5 standard sizes from inner Ø 13.0 mm to 42.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Burst [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
13	27	7	12	42	130	40	0.5	40	3501013027
19	33	7	12	42	190	40	0.65	40	3501019033
25	39	7	12	42	250	40	0.8	40	3501025039
32	48	8	12	42	320	40	1.1	40	3501032048
42	60	9	12	42	420	40	1.65	40	3501042060

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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